

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): An automated design system for performing automated design of a product ~~using design requirement particulars required with respect to the product targeted for the automated design, designer discretion particulars by discretion of a designer with respect to design of the product and a design rule necessary for the design of the product,~~ characterized by comprising:

design rule storage means for storing ~~the~~ design rule,

automated design means for performing automated design using ~~the~~ design requirement particulars with respect to a design of the product required by a customer or a designer, the designer discretion particulars by discretion of the designer with respect to the design of the product, and the design rule necessary with respect to the design of the product,

determination rule input means for inputting a determination rule including a rule, which is to be satisfied by design of the product in the case of manufacturing the product, and is in addition to the requirement particulars, the designer discretion particulars and the design rule,

determination rule storage means for storing the determination rule, and

design result determination means for determining whether a design result obtained by the automated design means ~~is good or not based on~~ satisfies the determination rule stored in the determination rule storage means.

2. (currently amended): ~~An~~ The automated design system as claimed in claim 1, characterized in that the system further comprises determination result storage means for storing a determination result obtained by the design result determination means, and the design rule stored in the design rule storage means is updated ~~based on~~ by reflecting the determination result.

3. (currently amended): An automated design method characterized by having:

- ~~a design rule storage step of previously storing a design rule necessary for design of a product targeted for automated design,~~
- ~~a determination rule storage step of previously storing a determination rule including a rule which is to be satisfied by design of the product in the case of manufacturing the product, and is in addition to the design rule,~~
- ~~a design requirement particular input step of inputting design requirement particulars required with respect to the product required by a customer or a designer,~~
- ~~a designer discretion particular input step of inputting designer discretion particulars by discretion of a the designer with respect to design of the product,~~
- ~~—an automated design step of reading out the design rule stored in the design rule storage step and performing automated design using said design rule, the design requirement particulars and the designer discretion particulars, and~~
- ~~—a design result determination step of reading out the determination rule stored in the determination rule storage step and automatically determining whether a design result obtained~~

by the performing automated design ~~automated design step is good or not based on~~ satisfies said determination rule.

4. (currently amended): ~~An~~ The automated design method as claimed in claim 3, characterized by further having:

~~a determination result storage step of storing a determination result obtained by the~~  
~~determining whether the design result obtained by the performing automated design satisfies said~~  
~~determination rule~~ design result determination step, and

~~a design rule updating step of reading out the determination result stored in the~~  
~~determination result storage step~~ storing the determination result and updating the design rule  
~~stored in the design rule storage step based on~~ by reflecting said determination result.

5. (currently amended): An recording medium ~~An which includes an~~ automated design program for making a computer execute processing including:

design rule storage processing for previously storing a design rule necessary for design of a product targeted for automated design,

determination rule storage processing for previously storing a determination rule including a rule, which is to be satisfied by design of the product in the case of manufacturing the product, and is in addition to the design rule,

design requirement particular input processing for inputting design requirement particulars ~~required with respect to the product~~ required by a customer or a designer,

designer discretion particular input processing for inputting designer discretion particulars by discretion of ~~a~~ the designer with respect to design of the product,

automated design processing for reading out the design rule stored in the design rule storage processing and performing automated design using said design rule, the design requirement particulars and the designer discretion particulars, and

design result determination processing for reading out the determination rule stored in the determination rule storage processing and automatically determining whether a design result obtained by the automated design processing ~~is good or not based on~~ satisfies said determination rule.

6. (currently amended): ~~An~~ The automated design program recording medium as claimed in claim 5, for making a computer execute processing further including:

determination result storage processing for storing a determination result obtained by the design result determination processing, and

design rule updating processing for reading out the determination result stored in the determination result storage processing and updating the design rule stored in the design rule storage processing ~~based on~~ by reflecting said determination result.

7. (new): The automated design system as claimed in claim 1, wherein the determination rule is based on at least one of technical condition or operational state and schedule rules of a producer, a factory, a line and equipment, component inventory cooperation

rules, purchase component selection rules, environmental control-capable rules, and illegal export prevention rules.

8. (new): The automated design method as claimed in claim 3, wherein the determination rule is based on at least one of technical condition or operational state and schedule rules of a producer, a factory, a line and equipment, component inventory cooperation rules, purchase component selection rules, environmental control-capable rules, and illegal export prevention rules.

9. (new): The recording medium as claimed in claim 5, wherein the determination rule is based on at least one of technical condition or operational state and schedule rules of a producer, a factory, a line and equipment, component inventory cooperation rules, purchase component selection rules, environmental control-capable rules, and illegal export prevention rules.